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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Bennett, S.

Serial No:

09/998,944

Filed:

October 31, 2001

For:

Angle Random Walk (ARW) Noise

Reduction in Fiber Optic Sensors Using an

Optical Amplifier

Examiner: Tu

Turner, Samuel A.

Art Unit:

2877

Attorney Docket No. KVC-051.01

CERTIFICATE	OF HANI	<u>D DELIVER</u>

I hereby certify that this Information Disclosure Statement is being submitted by hand delivery to Examiner Samuel A. Turner, U.S. Patent and Trademark Office, Technology Center 2800, Crystal Mall 1, 7th Floor, 1911 S. Clark Place, Arlington, VA 22202 on the date set forth below.

June	<u>, 2007</u>				
Date of	Signature	and	Hand	Deliv	ery

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

SUBMISSION OF DUPLICATE SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed please find a copy of correspondence that was mailed to the USPTO on October 10, 2003. Included in that mailing were:

- 1) Response under 37 CFR 1.111
- 2) Supplementary IDS with Certificate of First Class Mailing dated October 10, 2003;
- 3) PTO Form 1449 listing references AAA-FV;
- 4) Copy of listed references AAA-FV;
- 5) Formal Drawings;
- 6) Check in the sum of \$180.00 for IDS submission; and
- 7) A return postcard.

A copy of items 2-3, and a copy of item 4, references EA-EO and FA-FV are enclosed. A copy of the return postcard with OIPE postmark of October 14, 2003, is also enclosed.

According to the Office Communication dated May 10, 2004, and a telephonic communication on May 27, 2004 with the Examiner, the Examiner indicated that the copy of listed references had not been received.

We respectfully request that this duplicate IDS, which includes a duplicate copy of the references not considered by the Examiner, be matched with the file and forwarded to the Examiner for consideration under 37 CFR 1.97 (b).

No additional costs are believed to be due in connection with this duplicate submission. If, however, there are costs associated with this submission, please charge the appropriate fee to our **Deposit Order Account No. 06-1448**.

Should there be any questions after reviewing this duplicate submission, the Examiner is invited to contact the undersigned at (617) 832-1000.

Date: May 28, 2004

Customer No: 25181
Patent Group

Foley Hoag, LLP 155 Seaport Boulevard Boston, MA 02109-2170 Respectfully Submitted,

Theresa Kavanaugh Reg. No. 50,356 Agent for Applicants



Application No.: 09/998,944

Applicant(s): Bennett, S.

Atty Docket No.: KVC-051.01

Filed: October 31, 2003

Title: Angle Random Walk (ARW) Noise Reduction in Fiber Optic Sensors Using an Optical Amplifier

The following was/were received in the U.S. Patent & Trademark Office Mail Room on the date stamped hereon:

1. Response Under 37 CFR §1.111 (13 pages);

2. Supplemental Information Disclosure Statement Under 37 CFR § 1.97 (c)(2) (2 pages); RECEIVED

3. Form PTO-1449 (6 pages);

4. Complete copies of Cited References AAA-FV (126 Re

5. Formal Drawings, Figures 1-5 (3 sheets)

6. Check in the sum of \$180.00; and

7. This Return Postcard.

Atty: TCK

Mailing Date: October 10, 2003



PATENT GROUP FOLEY HOAG LLP 155 SEAPORT BOULEVARD BOSTON, MASSACHUSETTS 02210-2600

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In re Application of:

Bennett, S.

Application No: 09/998,944

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Angle Random Walk (ARW) Noise

Reduction in Fiber Optic Sensors Using

an Optical Amplifier

COPY

Examiner:

Turner, Samuel A.

Art Unit:

2877

Attorney Docket No. KVC-051.01

CERTIFICATE OF FIRST CLASS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on October 10, 2003.

Shiring Dorwich

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97 (c)(2)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § § 1.56 and 1.97(c), the Applicants bring to the attention of the Examiner the documents listed on the attached PTO Form 1449. A copy of each publication is being submitted herewith.

Applicants have listed dates of publication on the attached PTO-1449 for the cited documents based on information presently available to the undersigned. However, the listed publication dates should not be construed that the information in the cited documents was actually published or otherwise publicly available on the date indicated.

Application No. 09/998,944 Page 2 of 2 () COPY

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached Form 1449. This submission does not represent that a search has been made or that no better art exists. Nor does it constitute an admission that each or all of the listed documents are material or constitute "prior art." Further, if the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Moreover, the Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Although we believe that we have provided for the fee due in connection with this submission, the Commissioner is authorized to credit any overpayment or charge any deficiencies to/from our **Deposit Account No. 06-1448**.

Should there be any questions after reviewing this paper, the Examiner is invited to contact the undersigned at (617) 832-1000.

Date: October 10, 2003

Customer No: 25181
Patent Group
Foley Hoag LLP
155 Seaport Boulevard
Boston, MA 02210-2600

Respectfully Submitted,

Theresa C. Kavanaugh, Ph.D.

Reg. No. 50,356 Agent for Applicants

orm PTO-1449 INFORMAT	FION I	DISCLOSURE CITAT	ION	KVC-	et Number (Optional) 051.01		ication Number 98,944	OIPE	et 1 of 3
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	ED	DE 37 42 201 A1	22 June	89	Germany	х			
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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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			CUMENTS		Author, Title, Do	,					
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-	FD	Bohnert. et al., "Field Test 16-19 (Feb. 1994).	t of Interferometric Optical Fib	er High-Voltage and	Current Senso	ors" SPIE, Vol. 2360 pp.					
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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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	AAA	4,571,650	2/18/86	Ojima et al.				
	AAB	4,603,931	08/05/86	Ruffman				
	AAC	4,615,582	10/07/86	Lefevre et al.				
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	AAM	4,740,085	04/26/88	Lim				
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			FOI	REIGN PATENT DOCUMENTS	<u> </u>			
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	EA	DE 33 05 104 A1	16 Aug 84	German				Х
	ЕВ	FR 2 535 463A	18 May 84	France				
	EC	DE 36 15 305 A1	12 Nov. 87	German				Х
	ED	DE 37 42 201 A1	22 June 89	Germany	х			
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	EF	EP 0 586 242 A1	9 Mar. 94	EPO	х			
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	AAO 4,756,589		01/15/86	Bricheno et al.				
	AAP 4,765,739		08/23/88	Koizumi et al.	311			
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	EG	JP 07209398	11 Aug 95	Japan			English Abstract	
	ЕН	EP 0 686 867 A1	13 Dec 95	European Patent Application				х
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	EK	EP 0 871 009 A1	14 Oct. 98	ЕРО				
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	FB	Blake et al., "In-L	ine Sagnac In	terferometer Current Sensor," II	<i>EEE</i> , pp. 116-1	21 (1995).		
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	CD	5,602,642	02/11/97	Bergh et al.			11
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	CQ	5,953,121	09/14/99	Bohnert et al.			
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	cv	6,075,915	6/13/00	Koops et al.				
	cw	6,148,131	11/14/00	Geertman				
	сх	6,163,632	12/19/00	Rickman et al.				
	CY	6,185,033	02/06/01	Bosc et al.				
	cz	6,188,811	02/13/01	Blake				
	DA	6,208,775	03/27/01	Dyott				
	DB	6,233,371	05/15/01	Kim et al.				
	DC	6,301,400	10/09/01	Sanders			,	
	DD	6,307,632	10/23/01	Blake				
	DE	6,351,310	02/26/02	Emge et al.				· ·
	DF	6,356,351	03/12/02	Blake				
	DG	6,370,289	04/09/02	Bennett				
	DH	6,389,185	01/08/01	Meise et al.				
	DI	6,396,965	11/22/00	Anderson				
	DJ	6,434,285	08/13/02	Blake et al.				
	DK	6,535,654	03/18/03	Goettsche et al.				
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	FE	Bohnert. et al., "Ter (Feb. 1994).	mperature and	Vibration Insensitive Fiber-Optic	Current Se	nsor"	4BB, Vol. 236	0 pp 336-339
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IN A	N DISCLOSURE CITATION N APPLICATION eral sheets if necessary)	Docket Number (Optional) KVC-051.01 Applicant Bennett, S. Filing Date October 31, 2001	COP	09/998	ation Number 1,944 Art Unit	JUN 0 1 2004					
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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